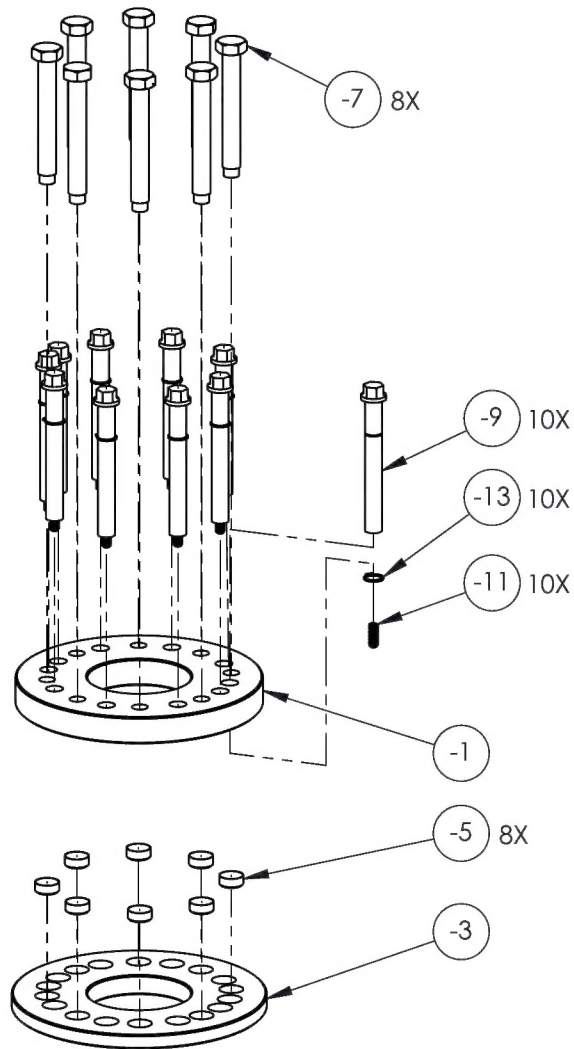


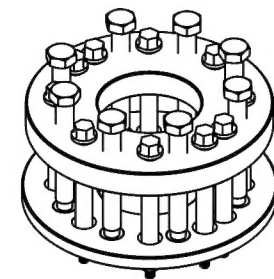
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0288	ADDED NOTE 3 SHT 1, ADDED VIEW TO SHOW DIM OF ASSEMBLED -11 INTO -9. -1 CH'D DIM WAS Ø.355 THRU IS Ø.3564-.3555 THRU. -5 CH'D MATERIAL CALLOUT WAS 4140 IS 4140/4142. -9 CH'D DIM'S WAS 10-24 UNC X .125 IS 10-24 UNC X .25. WAS Ø.355 IS Ø.3550-.3544. -11 CH'D WAS #10-24 X 3/8 IS #10-24 UNC X 1/2.	9/2/2015	RJC	JAG
3	17-0143	-1 CH'D DIM'S WAS 10X Ø.3564/.3555 THRU IS 10X Ø.359/.357 THRU ALL, WAS 1.800 IS 2X 1.800, WAS 1.355 IS 2X 1.355, WAS .875 IS 2X .875, WAS .282 IS 2X .282, WAS .282 IS 2X .282, WAS .875 IS 2X .875, WAS 1.355 IS 2X 1.355, WAS 1.800 IS 2X 1.800, WAS 1.908 IS 2X 1.908, WAS 1.719 IS 2X 1.719, WAS 1.373 IS 2X 1.373, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS 1.373 IS 2X 1.373, WAS 1.719 IS 2X 1.719, WAS 1.908 IS 2X 1.908, CH'D ENGRAVE NOTE WAS ENGRAVE P/N: "RBW1805G03351-3G" IS ENGRAVE P/N. -3 CH'D DIM'S WAS 8X Ø.192 THRU ALL Ø.500 X .210 IS 8X Ø.192 THRU ALL Ø.5007/.5000 X .210 (P.F.-5), WAS 1.800 IS 2X 1.800, WAS 1.355 IS 2X 1.355, WAS .875 IS 2X .875, WAS .282 IS 2X .282, WAS .282 IS 2X .282, WAS .875 IS 2X .875, WAS 1.355 IS 2X 1.355, WAS 1.800 IS 2X 1.800, WAS 1.908 IS 2X 1.908, WAS 1.719 IS 2X 1.719, WAS 1.373 IS 2X 1.373, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS 1.373 IS 2X 1.373, WAS 1.719 IS 2X 1.719, WAS 1.908 IS 2X 1.908, CH'D ENGRAVE NOTE WAS ENGRAVE P/N: "RBE1805G03031-3G" IS ENGRAVE P/N. -5 CH'D DIMS WAS Ø.500 IS Ø.5016/.5012 (P.F.-3), WAS R1.00 IS SR1.00. ADDED DIM .03 X 45°. -7 DELETED DIMS 2.75, .200. ADDED DIM'S 2.76, .213, SR 1.00. -9 CH'D DIM WAS .375 IS 3X .375/.362, WAS Ø.3550/.3544 IS .355/.353, WAS (.750) IS .75.	6/19/2017	RJC	JAG

UNDER REVIEW

URF 19-938 19.10.23 (VM)



NOTE:

1. REF. AUGUSTA T/N: 3G1805G01731.
2. ALSO PART OF KIT RBW1805G01431-3G, REF. AUGUSTA T/N: 3G1805G01431.

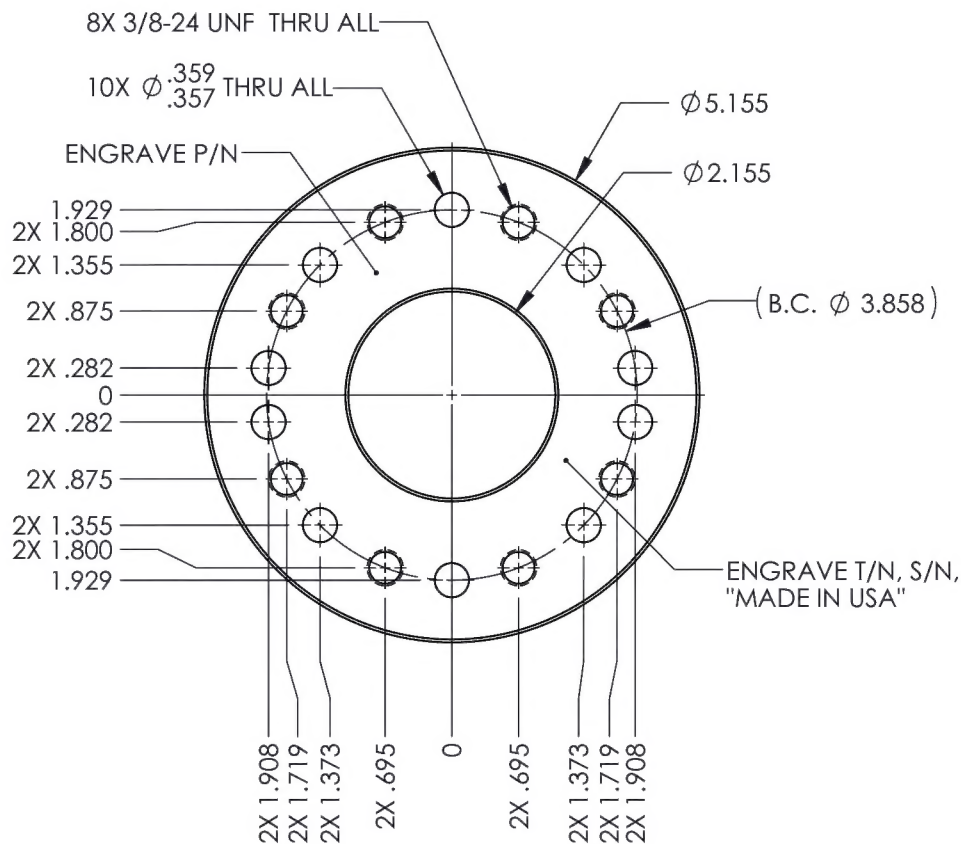
3 USE PERMANENT LOCTITE.

ASSY QTY	ASSY QTY	B/O	Part #	QTY.	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	TOP PLATE	S.S.		2
			-3	1	JACK PLATE	S.S.		3
			-5	8	BUTTON	4140/4142		4
			-7	8	JACKING SCREW	S.S.	3/8-24 X 3 (MCMaster-CARR #93190A373) MODIFIED	5
			-9	10	PULL SCREW	S.S.		6
		B/O	-11	10	SET SCREW	S.S.	10-24 UNC X 1/2 (MCMaster-CARR #94355A227)	1
		B/O	-13	10	RETAINING RING	S.S.	Ø3/8 (MCMaster-CARR #91590A117)	1

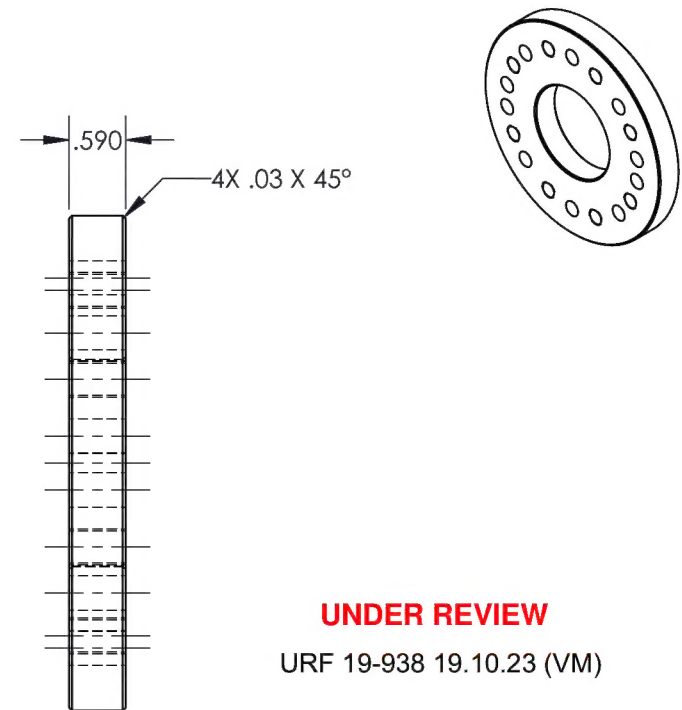
DART AEROSPACE																	
TITLE MVA REMOVAL TOOL																	
DWG NO. RBW1805G01731-3G	REV 3																
<table border="1"> <tr> <td>MAT'L HEAT TREAT FINISH</td> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: SMITH</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: DD 06/22/2017</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: AA 06/26/2017</td> <td></td> </tr> <tr> <td>QA APPR: JL 06/28/2017</td> <td></td> </tr> <tr> <td>APPROVED: JAG 07/03/2017</td> <td>USED ON MODEL AW139</td> </tr> <tr> <td>SCALE 1:4</td> <td>DATE 4/25/2013</td> </tr> </table>		MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: SMITH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: DD 06/22/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: AA 06/26/2017		QA APPR: JL 06/28/2017		APPROVED: JAG 07/03/2017	USED ON MODEL AW139	SCALE 1:4	DATE 4/25/2013
MAT'L HEAT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°																
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																
DRAWN BY: SMITH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																
CHECKED: DD 06/22/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																
OPPS APPR: AA 06/26/2017																	
QA APPR: JL 06/28/2017																	
APPROVED: JAG 07/03/2017	USED ON MODEL AW139																
SCALE 1:4	DATE 4/25/2013																
SHEET 1 OF 6																	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0288	-1 CH'D DIM WAS Ø.355 THRU IS Ø.3564-.3555 THRU.	9/2/2015	RJC	JAG
3	17-0143	-1 CH'D DIM'S WAS 10X Ø.3564/.3555 THRU IS 10X Ø.359/.357 THRU ALL. WAS 1.800 IS 2X 1.800, WAS 1.355 IS 2X 1.355, WAS .875 IS 2X .875, WAS .282 IS 2X .282, WAS .282 IS 2X .282, WAS .875 IS 2X .875, WAS 1.355 IS 2X 1.355, WAS 1.800 IS 2X 1.800, WAS 1.908 IS 2X 1.908, WAS 1.719 IS 2X 1.719, WAS 1.373 IS 2X 1.373, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS 1.373 IS 2X 1.373, WAS 1.719 IS 2X 1.719, WAS 1.908 IS 2X 1.908. CH'D ENGRAVE NOTE WAS ENGRAVE P/N: "RBW1805G03351-3G" IS ENGRAVE P/N.	6/19/2017	RJC	JAG



(1)
TOP PLATE

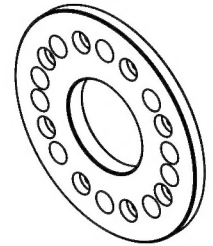
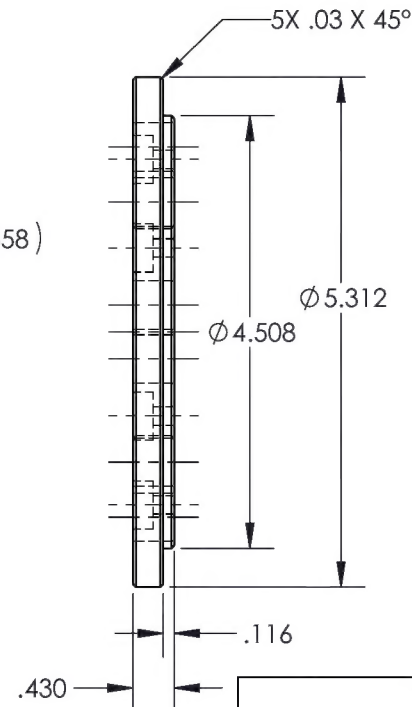
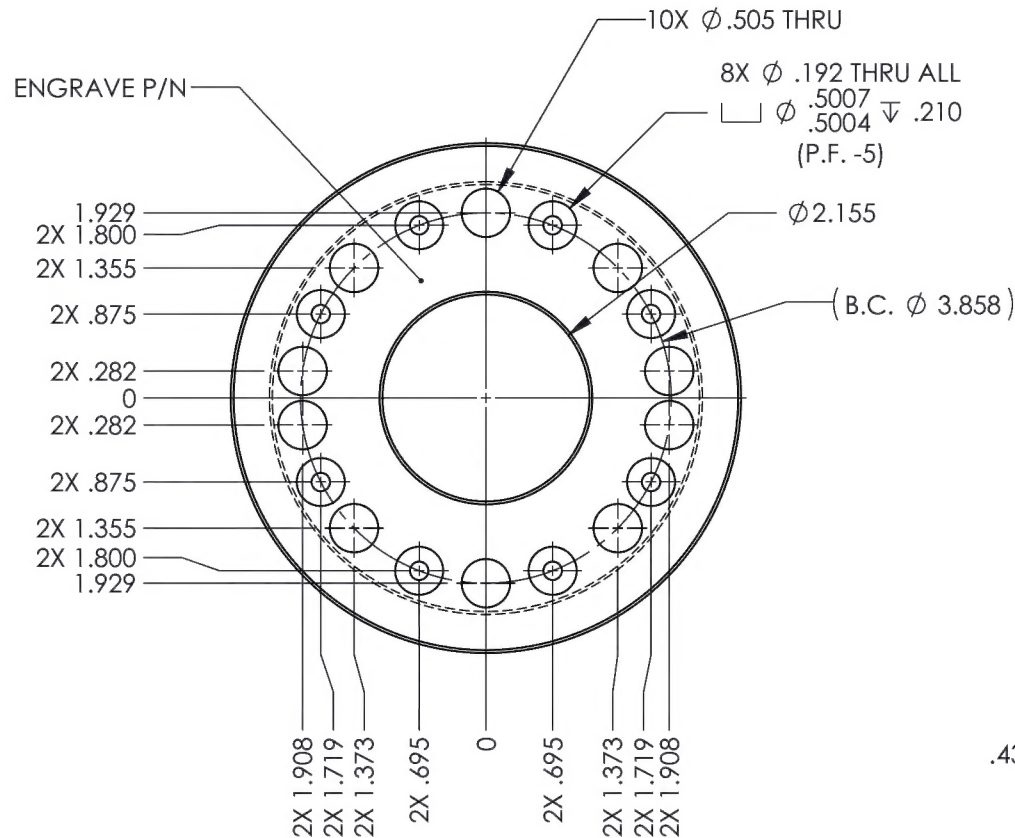


UNDER REVIEW
URF 19-938 19.10.23 (VM)

DART AEROSPACE	
TITLE MVA REMOVAL TOOL	
DWG NO. RBW1805G01731-3G-1	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: RJC 06/19/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 06/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 06/26/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 06/28/2017	USED ON MODEL
APPROVED: JAG 07/03/2017	AW139
SCALE 1:2	DATE 6/19/2017
SHEET 2 OF 6	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	17-0143	-3 CH'D DIM'S WAS 8X Ø.192 THRU ALL L. J Ø.5007 .5000 .210 (P.F.-5), WAS 1.800 IS 2X 1.800, WAS 1.355 IS 2X 1.355, WAS .875 IS 2X .875, WAS .282 IS 2X .282, WAS .282 IS 2X .282, WAS .875 IS 2X .875, WAS 1.355 IS 2X 1.355, WAS 1.800 IS 2X 1.800, WAS 1.908 IS 2X 1.908, WAS 1.719 IS 2X 1.719, WAS 1.373 IS 2X 1.373, WAS .695 IS 2X .695, WAS .695 IS 2X .695, WAS 1.373 IS 2X 1.373, WAS 1.719 IS 2X 1.719, WAS 1.908 IS 2X 1.908. CH'D ENGRAVE NOTE WAS ENGRAVE P/N: :RBW1805G03031-3G" IS ENGRAVE P/N.	6/19/2017	RJC	JAG



UNDER REVIEW

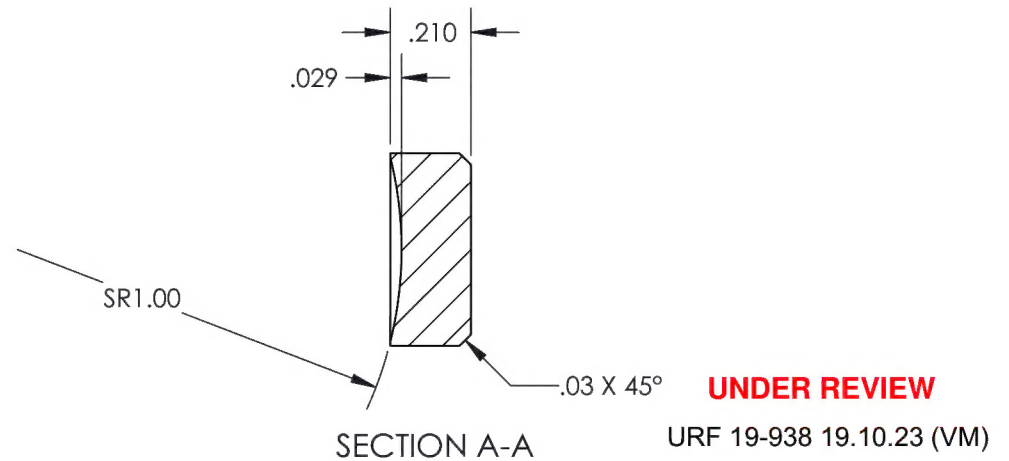
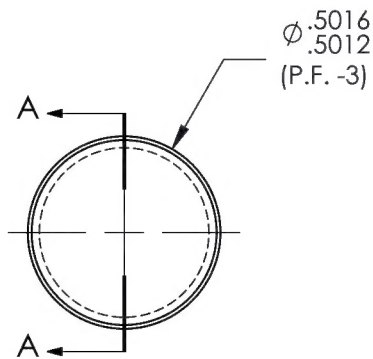
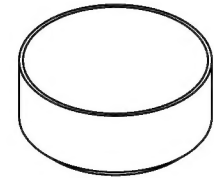
URF 19-938 19.10.23 (VM)

③
JACK PLATE

DART AEROSPACE	
TITLE MVA REMOVAL TOOL	
DWG NO. RBW1805G01731-3G-3	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: RJC 06/19/2017	1. BREAK ALL SHARP EDGES
CHECKED: DD 06/22/2017	.015 x 45° OR .015R
OPPS APPR: AA 06/26/2017	2. DIMENSIONAL LIMITS APPLY
QA APPR: JL 06/28/2017	AFTER PLATING
APPROVED: JAG 07/03/2017	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	DATE 6/19/2017
	SHEET 3 OF 6

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0288	-5 CH'D MATERIAL CALLOUT WAS 4140 IS 4140/4142.	9/2/2015	RJC	JAG
3	17-0143	-5 CH'D DIMS WAS Ø.500 IS Ø.5016/.5012 (P.F. -3), WAS R1.00 IS SR1.00. ADDED DIM .03 X 45°.	6/19/2017	RJC	JAG

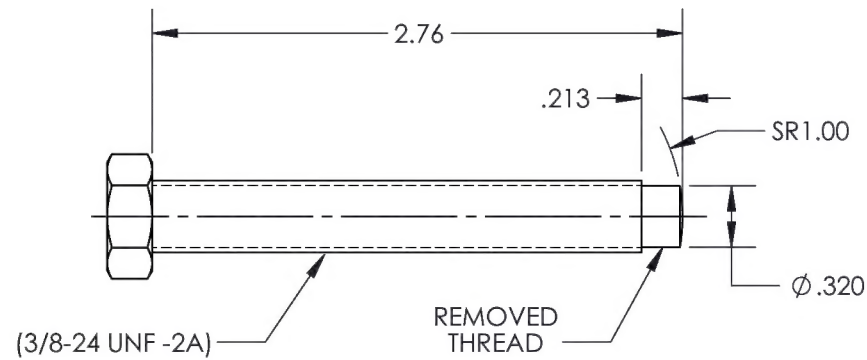
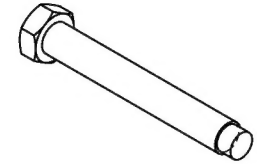


⑤
BUTTON

DART AEROSPACE	
TITLE MVA REMOVAL TOOL	
DWG NO. RBW1805G01731-3G-5	REV 3
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT HRC 50-55	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: RJC 06/19/2017	.X ± .1 SURFACES = 125✓
CHECKED: DD 06/22/2017	1. BREAK ALL SHARP EDGES
OPPS APPR: AA 06/26/2017	.015 x 45° OR .015R
QA APPR: JL 06/28/2017	2. DIMENSIONAL LIMITS APPLY
APPROVED: JAG 07/03/2017	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 6/19/2017	USED ON MODEL
	AW139
	SHEET 4 OF 6

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	17-0143	-7 DELETED DIMS 2.75, .200. ADDED DIM'S 2.76, .213, SR 1.00.	6/19/2017	RJC	JAG



UNDER REVIEW

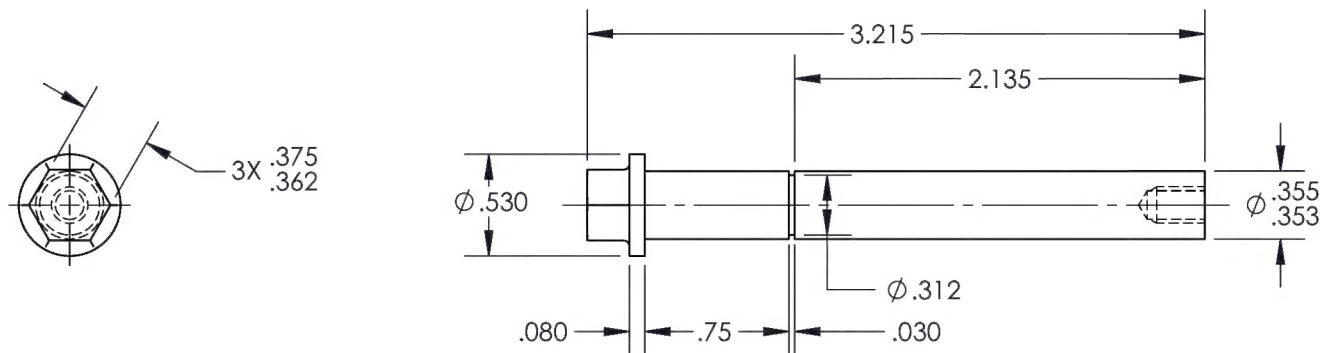
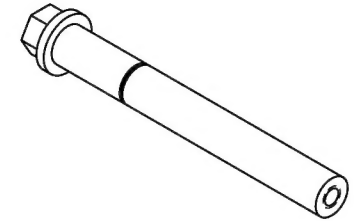
URF 19-938 19.10.23 (VM)

(-7)
JACKING SCREW

DART AEROSPACE	
TITLE MVA REMOVAL TOOL	
DWG NO. RBW1805G01731-3G-7	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: RJC 06/19/2017	1. BREAK ALL SHARP EDGES
CHECKED: DD 06/22/2017	.015 x 45° OR .015R
OPPS APPR: AA 06/26/2017	2. DIMENSIONAL LIMITS APPLY
QA APPR: JL 06/28/2017	AFTER PLATING
APPROVED: JAG 07/03/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	USED ON MODEL
DATE 6/19/2017	AW139
	SHEET 5 OF 6

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	15-0288	-9 CH'D DIM'S WAS 10-24 UNC ∇ .125 IS 10-24 UNC ∇ .25, WAS \varnothing .355 IS \varnothing .3550-.3544.	9/2/2015	RJC	JAG
3	17-0143	-9 CH'D DIM WAS .375 IS 3X .375/.362, WAS \varnothing .3550/.3544 IS .355/.353, WAS (.750) IS .75.	6/19/2017	RJC	JAG



UNDER REVIEW

URF 19-938 19.10.23 (VM)

(-9)
PULL SCREW

DART AEROSPACE	
TITLE MVA REMOVAL TOOL	
DWG NO. RBW1805G01731-3G-9	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX \pm .005 FRACTIONS \pm 1/8
FINISH	.XX \pm .01 ANGLES \pm 5°
SPEC	.X \pm .1 SURFACES = 125° ✓
DRAWN BY: RJC 06/19/2017	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DD 06/22/2017	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: AA 06/26/2017	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: JL 06/28/2017	USED ON MODEL
APPROVED: JAG 07/03/2017	AW139
SCALE 1:1	DATE 6/19/2017
SHEET 6 OF 6	